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PCT

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

MAR 0 9 2	aba "i			(PCT Rule 43bis.1)
hitar a a -	Applicant's or agent's file reference		Date of mailing (day/month/year) FOR FURTHER	0 3 MAR 2005
	51821/0121WP	• .		See paragraph 2 below
	International application No.	International filing date	(day/month/year)	Priority date (day/month/year)
	PCT/US04/11402 International Patent Classification (IPC)	14 April 2004 (14.04.20	04)	14 April 2003 (14.04.2003)
	IPC(7): C12Q 1/68; G01N 33/53, 33/56 Applicant			92; 436/501, 518, 524
	AMERICAN NATIONAL RED CROSS			
	1. This opinion contains indication			

AMERIC	AN NATIONAL	RED CROSS
1. This	opinion contains	indications relating to the following items:
	Box No. I	Basis of the opinion
	Box No. II	Priority
	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
	Box No. IV	Lack of unity of invention
	Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
	Box No. VI	Certain documents cited
	Box No. VII	Certain defects in the international application
	Box No. VIII	Certain observations on the international application
	THER ACTIO	
Author	rity other than th	ational preliminary examination is made, this opinion will be considered to be a written opinion of the try Examining Authority ("IPEA") except that this does not apply where the applicant chooses an is one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis (b) this International Searching Authority will not be so considered.
mailing	g of Form PCT/L	ovided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the together, where appropriate, with amendments, before the expiration of 3 months from the date of SA/220 or before the expiration of 22 months from the priority date, whichever expires later.
		notes to Form PCT/ISA/220.
Name and m	nailing address of	the ISA/ US Authorized officer
Co P. C	ail Stop PCT, Attn: mmissioner for Pat D. Box 1450	Gary Counts () A C ()
Ale Faccimila M	exandria, Virginia:	22313-1450 Talenhera No. (709) 200 000

Telephone No. (703) 308-0196

Facsimile No. (703) 305-3230 Form PCT/ISA/237 (cover sheet) (Jamuary 2004)

1		1 0000 11407
Box	No. I Basis of this opinion	
	•	
1. Wit	th regard to the language, this opinion has been established on the b was filed, unless otherwise indicated under this item.	pasis of the international application in the language in the
П		
	This opinion has been established on the basis of a translation from which is the language of a translation furnished for the purposes	om the original language into the following language
2. Wit	The fact the purposes	of illernational search (under Rules 12 3 and 23 1/b))
clair	th regard to any nucleotide and/or amino acid sequence disclosured invention, this opinion has been established on the basis of:	sed in the international application and necessary to the
a.	type of material	
	a sequence listing	
	table(s) related to the sequence listing	
b.	format of material	
	in written format	
	in computer readable form	
c.	time of filing/furnishing	
	contained in international application as filed.	
	filed together with the international application in computer	readable form
	furnished subsequently to this Authority for the purposes of	
	2 das Audustry for the purposes of	search.
A 4450	In addition, in the case that more than one version or copy of a filed or furnished, the required statements that the information in the application as filed or does not go beyond the application as filed.	sequence listing and/or table relating thereto has been the subsequent or additional copies is identical to that in ed, as appropriate, were furnished.
. Addın	ional comments:	
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Form PCT/ISA/237(Box No. I) (Jamiary 2004)

1. Statement	planations supporting such statement	
Novelty (N)	Claims 1-10	Y
	Claims NONE	N
Inventive step (IS)	Claire 440	-
(L)	Claims 1-10 Claims NONE	Y
	CHAIRS HONE	N
Industrial applicability (IA)	Claims 1-10	· Y
·	Claims NONE	N
. Citations and explanations:		
		•
laims 1-10 meet the criteria set out in PCT Artic nethod of identifying a ligand having binding spec	le 33(2)-(3), because the prior art of record does not sificity for a protein isoform in a sample as recited in	teach or fairly suggest a
he dosest prior art of record is due to piran a	t al /IIC F 242 7042	
inds to a target. Piran et al disclose adding a	it at (US 5,312,730) which teaches a method of I first solid phase with ligand immobilized which I	identifying a ligand that
irget after it has been eluted (transformed) for	and de an disclose the addition of a second solid pl	nase which capture to the
f a second detectable marker and comparing	the first signal to the second signal.	does not teach the additi
eferences Schramm, Ishikawa et I, Buettner,	Campbell and Vey et al. teach general state of th	10. net
laims 1-10 meet the criteria set out in PCT Articl	e 33(4), and thus have industrial applicability because	ie di L
n be made or used in industry.	s 55(4), and this have industrial applicability because	se the subject matter claims
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NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended

During the international phase, the claims may also be amenced (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions. Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.